

Claims:

1. A support device for supporting a formwork member adjacent to a formwork surface, including:

a support structure positionable in use adjacent the formwork surface;

5 a magnetic element movable relative to the support structure, the magnetic element configured to secure the support device to the formwork surface;

a switching device coupled to the magnetic element, the switching device being rotatable between an operating position wherein in the operating position the magnetic element secures the support device to the formwork surface, and a non-operating position wherein in the non-operating position the magnetic element does not secure the support device to the formwork surface,

wherein in use the formwork member located adjacent the formwork surface is supported by the support device.

15 2. A support device as claimed in claim 1 wherein the switching device moves the magnetic element so that in the non-operating position, the magnetic element is spaced from the formwork surface.

3. A support device as claimed in claim 1 wherein the switching device rotates about a rotation axis, the rotation axis being an axis substantially parallel with the formwork surface.

4. A support device as claimed in claim 1 wherein the switching device includes a cam member which is connected to the magnetic element.

5. A support device as claimed in claim 4 wherein the support structure is preferably in the form of a housing which at least in part surrounds the magnetic element, the cam member being located on the outside surface of the support structure, and wherein the cam member engages the support structure along a cam surface, so that movement of the cam member along the cam surface causes the magnetic element to switch between the operating and non-operating conditions.

6. A support device as claimed in claim 4 wherein the cam member includes a lever extending from the cam member.
7. A support device as claimed in claim 4 wherein the cam member includes a lever that is detachably coupled to the cam member.
- 5 8. A support device as claimed in claim 4 wherein the switching device includes a link member linking the cam member with the magnetic element.
9. A support device as claimed in claim 8 wherein the link member is formed with the magnetic element.
- 10 10. A support device as claimed in claim 8 wherein the link member has a complimentary engagement with the magnetic element.
11. A support device as claimed in claim 8 wherein the link member connects with the cam member via a pivotal connection.
12. A support device as claimed claim 1 wherein the support structure includes a flange provided with at least one aperture to receive a fastening means for fastening the formwork member to the flange.
- 15 13. A support device as claimed in claim 1, including a tilt adjuster for varying the tilt or level of the support structure relative to the formwork surface.
14. A support device as claimed in claim 13 wherein the tilt adjuster is preferably located on a face of the support structure opposite to a face that engages the formwork member.
- 20 15. A support device for supporting a formwork member adjacent to a formwork surface, including:
 - a support structure positionable in use adjacent the formwork surface;
 - a magnetic element movable relative to the support structure, the
 - 25 magnetic element configured to secure the support device to the formwork surface;
 - a switching device coupled to the magnetic element, the switching device being rotatable between an operating position wherein in the operating

position the magnetic element secures the support device to the formwork surface, and a non operating position wherein in the non-operating position the magnetic element does not secure the support device to the formwork surface,

wherein in use the formwork member located adjacent the formwork surface is supported by the support device;

further wherein the support structure includes:

an engaging side, and at least one non-engaging side, the engaging side having an engaging member;

wherein in the operating position, the support structure is forced toward the formwork surface and the engaging member exerts a force on the formwork member toward the formwork surface.

16. A support device as claimed in claim 15 wherein the engaging member engages the formwork member so that the engaging side is spaced from the formwork surface.

17. A support device as claimed in claim 15 wherein the non-engaging side includes an adjustable height jack configured to selectively adjust the height of the non-engaging side of the support structure, relative to the engaging side of the support structure with respect to the formwork surface.

18. A support device as claimed in claim 17 wherein operation of the adjustable height jack rotates the support structure and/or formwork member relative to the formwork surface.

19. A support device as claimed in claim 15 wherein the non-engaging side includes a plate extending from the non-engaging side; at least one shank extending from the plate towards the formwork surface; and at least one complimentary foot, each foot being adjustable along the length of each shank, whereby adjustment of the foot adjusts the height of the non-engaging side of the support structure, relative to the engaging side of the support structure with respect to the formwork surface.

20. A support device as claimed in claim 19 wherein adjustment of the foot rotates the support structure and/or formwork member relative to the formwork surface.

21. A support device as claimed in claim 19 wherein only one non-engaging side is included and located on the side opposite the engaging face.
22. A support device as claimed in claim 15 wherein the switching device moves the magnetic element so that in the non-operating position, the magnetic
5 element is spaced from the formwork surface.
23. A support device as claimed in claim 15 wherein the switching device rotates about a rotation axis, the rotation axis being an axis substantially parallel with the formwork surface.
24. A support device as claimed in claim 15 wherein the switching device
10 includes a cam member which is connected to the magnetic element.
25. A support device as claimed in claim 24 wherein the support structure is preferably in the form of a housing which at least in part surrounds the magnetic element, the cam member being located on the outside surface of the support structure, and wherein the cam member engages the support structure along a
15 cam surface, so that movement of the cam member along the cam surface causes the magnetic element to switch between the operating and non-operating conditions.
26. A support device as claimed in claim 24 wherein the cam member includes a lever extending from the cam member.
- 20 27. A support device as claimed in claim 24 wherein the cam member includes a lever that is detachably coupled to the cam member.
28. A support device as claimed in claim 24 wherein the switching device includes a link member linking the cam member with the magnetic element.
29. A support device as claimed in claim 28 wherein the link member is
25 formed with the magnetic element.
30. A support device as claimed in claim 28 wherein the link member has a complimentary engagement with the magnetic element.
31. A support device as claimed in claim 28 wherein the link member connects with the cam member via a pivotal connection.

32. A support device as claimed in 1 wherein the support device is formed with the formwork member.

33. A support device for supporting a formwork member adjacent to a formwork surface, including:

5 a support structure positionable in use adjacent the formwork surface;

a securing means associated with the structure being operable for securing the support device to the formwork surface, and being movable relative to the support structure;

10 a switching means being rotatably switchable for switching the securing means between an operating condition whereby the securing means secures the support device to the formwork surface, and a non operating condition whereby the securing means is not securing the support device to the formwork surface,

15 wherein in use the formwork member located adjacent the formwork surface is supported by the support device.

34. A support device for supporting a formwork member adjacent to a formwork surface, including:

a support structure positionable in use adjacent the formwork surface;

20 a securing means associated with the structure being operable for securing the support device to the formwork surface, and being movable relative to the support structure;

25 a switching means being rotatably switchable for switching the securing means between an operating condition whereby the securing means secures the support device to the formwork surface, and a non operating condition whereby the securing means is not securing the support device to the formwork surface,

wherein in use the formwork member located adjacent the formwork surface is supported by the support device

wherein the support structure includes:

an engaging side having engaging means for engaging the formwork member, and at least one non-engaging side

- so that in the non-operating condition, the engaging side is spaced from the formwork surface, and in the operating condition, the support structure is
- 5 forced toward the formwork surface applying a force on the engaging means to force the formwork member toward the formwork surface.